

## Electronic Patent Application Fee Transmittal

<b>Application Number:</b>	10801208			
<b>Filing Date:</b>	16-Mar-2004			
<b>Title of Invention:</b>	Methods of manufacturing semiconductor devices having a ruthenium layer via automatic layer deposition			
<b>First Named Inventor/Applicant Name:</b>	Kwang-hee Lee			
<b>Filer:</b>	D. Randal Ayers/Jessica French			
<b>Attorney Docket Number:</b>	5649-1277			
Filed as Large Entity				
<b>Utility under 35 USC 111(a) Filing Fees</b>				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Basic Filing:</b>				
<b>Pages:</b>				
<b>Claims:</b>				
<b>Miscellaneous-Filing:</b>				
<b>Petition:</b>				
<b>Patent-Appeals-and-Interference:</b>				
<b>Post-Allowance-and-Post-Issuance:</b>				
<b>Extension-of-Time:</b>				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
<b>Miscellaneous:</b>				
Submission- Information Disclosure Stmt	1806	1	180	180
<b>Total in USD (\$)</b>				<b>180</b>